

Amendments to the Specification

Please amend the paragraph beginning on page 3, line 26, as follows:

Alternatively, the resource management system is coupled to a test apparatus and a resource database. The test database receives the plurality of tests from the test apparatus system. The processing system selects the first test from the test database and identifies a first communication resource related to the first test. The processing system determines if the first communication resource is available for the first test. To determine if the first communication resource is available, processing system searches the resource database for the first communication resource. The resource database contains a resource list and a state field that contains different state information for the individual communication resources. If the first communication resource is available, the processing system changes the state of the first communication resource to indicate that the first communication resource is being used for the first test. The processing system then generates an execute instruction to execute the first test. If the first communication resource is not available, the processing system stores the first test back in the test database and selects the next test in the test database. Advantageously, the resource management system efficiently schedules tests according to communication resource availability. The resource management system also automates testing of communication systems by scheduling tests without human participation.